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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/596,381	06/12/2006	Adrianus Johannes De Vaan	NL031433	5922

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EXAMINER	
ZUBAJLO, JENNIFER L	
ART UNIT	PAPER NUMBER
2629	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/596,381	DE VAAN, ADRIANUS JOHANNES	
	Examiner	Art Unit	
	JENNIFER ZUBAJLO	2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *12 June 2006*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-19* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-19* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *12 June 2006* is/are: a)☐ accepted or b)☒ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Drawings

1. Figures 1 and 2 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. Claims 1-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Satoshi Ouchi (Pub. No.: US 2002/0063806).

As to claim 1, Ouchi teaches a system for displaying modulated light comprising a light valve for modulating light originating from a light source unit, and comprising

separating means for splitting said light from said light source unit into at least two colour bars and scrolling means for sweeping said at least two colour bars over said light valve (see [0067] and note that Ouchi's areas of light are would obviously will provide the same as Applicant's color bars), said system characterized in that said scrolling means comprising communication means adapted to communicate said at least two colour bars partly overlapping thereby generating at least one further colour bar for said light valve (see [0096] & [0100]).

As to claim 2, Ouchi teaches a system according to claim 1 (see above rejection), wherein said light valve comprising a panel having a plurality of pixels, which panel is adapted to received said sweeping at least two colour bars, and wherein said system further comprising panel addressing means adapted to write information to said plurality of pixels when receiving a new colour bar (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

As to claim 3, Ouchi teaches a system according to claim 2 (see above rejection) further comprising an electronic colour decoder circuit adapted to convert a colour image signal to driving colour signal for driving each of said plurality of pixels and for generating a colour image in accordance with a combination of said driving signal and said colour bars (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

As to claim 4, Ouchi teaches a system according to claim 1 (see above rejection), wherein said at least two colour bars comprising a red, a green and a blue colour bar and wherein said communication means is adapted to overlap said red and blue colour bars to generate a purple colour bar for said light valve, overlap said red and green colour bars to generate a yellow colour bar for said light valve, and overlap said green and blue colour bars to generate a cyan colour bar for said light valve (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

As to claim 5, Ouchi teaches a system according to claim 4 (see above rejection), further comprising an optical component positioned in light path from said light source unit to said light valve and operable to enable spectral parts of the light from the light source unit in the spectrum at 500 nm or 600 nm to hit said cyan colour bar and said yellow colour bar (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

As to claim 6, Ouchi teaches a system according to claim 1 (see above rejection), wherein said separating means comprising a first, a second and a third rotating element, such as a prism, a wheel, a drum, a polygon mirror, a vibrating element or any combination thereof, for generating said red, green and blue colour bars (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

As to claim 7, Ouchi teaches a system according to claim 6 (see above rejection), wherein said rotating element comprising a micro electromechanical element (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

As to claim 8, Ouchi teaches a system according to claim 1 (see above rejection), wherein said light valve comprising a LCD based light modulating element (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

As to claim 9, Ouchi teaches a system according to claim 6 (see above rejection), wherein said communication means comprising slits positioned before said first, second and third rotating element and each having a width defining overlap between said red, green and blue colour bars (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

As to claim 10, Ouchi teaches a system according to claim 1 (see above rejection), wherein said separating means further comprises dichroic colour filters, and reflecting mirrors (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

As to claim 11, Ouchi teaches a system according to claim 6 (see above rejection) further comprising a controller for controlling phase and rotation of said rotating elements so as to project and scroll on said colour bars on to said light valve at specific times in relation to said colour image signal (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

As to claim 12, Ouchi teaches a system according to claim 4 (see above rejection) further comprising filter means for filtering of said red, green or blue colour bar (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

As to claim 13, Ouchi teaches a system according to claim 4 (see above rejection) further comprising filter means for filtering of said green colour bar (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

As to claim 14, Ouchi teaches a system according to claim 13 (see above rejection), wherein said filter means comprising a first filter for enabling said yellow colour bar, a second filter for enabling said green colour bar, and a third filter for enabling said cyan colour bar (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

As to claim 15, Ouchi teaches a system according to claim 14 (see above rejection), wherein said first filter substantially passes light having a wavelength in the range 560 to 590 nm, said second filter substantially passes light having a wavelength in the range 510 to 560 nm, and said third filter substantially passes light having a wavelength in the range 480 to 510 nm (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

As to claim 16, Ouchi teaches a system according to claim 15 (see above rejection), wherein said first filter further passes parts of light having a wavelength in the range between 480 to 510 nm, and said third filter further passes parts of light having a wavelength in the range between 560 to 590 nm (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

As to claim 17, Ouchi teaches a system according to claim 13 (see above rejection), wherein said filter means comprises a first wave guide for enabling said yellow colour bar, a second wave guide for enabling said green colour bar, and a third wave guide for enabling said cyan colour bar (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

As to claim 18, Ouchi teaches a system according to claim 17 (see above rejection), wherein said first wave guide substantially passes light having a wavelength in the range 560 to 590 nm, said second wave guide substantially passes light having a

wavelength in the range 510 to 560 nm, and said third wave guide substantially passes light having a wavelength in the range 480 to 510 nm (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

As to claim 19, Ouchi teaches a system according to claim 18 (see above rejection), wherein said first wave guide further passes parts of light having a wavelength in the range between 480 to 510 nm, and said third wave guide further passes parts of light having a wavelength in the range between 560 to 590 nm (see [0064]-[0068], [0095]-[0096], [0146], [0149], [0153], and figs. 20, 21A, 21B, and 23G).

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Pub. No. US 2001/0050661 (paragraphs [0070], [0081], and [0164]) and Applicant's Admitted Prior Art teach the limitations of at least claim 1.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JENNIFER ZUBAJLO whose telephone number is (571)270-1551. The examiner can normally be reached on Monday-Friday, 8 am - 5 pm, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amare Mengistu can be reached on (571) 272-7674. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jennifer Zubajlo/
Examiner, Art Unit 2629
11/21/09

/Amare Mengistu/
Supervisory Patent Examiner, Art Unit 2629